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1 Computer programs for detecting and correcting spelling errors
James L. Peterson
December 1980 **Communications of the ACM**, Volume 23 Issue 12

Full text available: 📄 pdf(1.25 MB)   Additional Information: full citation, abstract, references, citings

With the increase in word and text processing computer systems, programs which check and correct spelling will become more and more common. Peterson investigates the basic structure of several such existing programs and their approaches to solving the problems which arise when this type of program is created. The basic framework and background necessary to write a spelling checker or corrector are provided.

Keywords: spelling, spelling correction, spelling dictionary, spelling programs

2 Spelling correction in user interfaces
Ivor Durham, David A. Lamb, James B. Saxe
October 1983 **Communications of the ACM**, Volume 26 Issue 10

Full text available: 📄 pdf(1.12 MB)   Additional Information: full citation, abstract, references, citings, index terms

The feasibility of providing a spelling corrector as a part of interactive user interfaces is demonstrated. The issues involved in using spelling correction in a user interface are examined, and a simple correction algorithm is described. The results of an experiment in which the corrector is incorporated into a heavily used interactive program are described. More than one quarter of the errors made by users during the experiment were corrected using the simple mechanisms presented ...

Keywords: interactive programs, spelling, spelling correction, typographical errors, user interfaces

3 Spelling correction for the telecommunications network for the deaf
Karen Kukich
May 1992 **Communications of the ACM**, Volume 35 Issue 5

Full text available: 📄 pdf(7.82 MB)   Additional Information: full citation, references, citings, index terms, review

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Result # 1   Relevance: ⊙⊙⊙⊙⊙

Spelling Correction Function Enhancement

1984-02-01   IPCOM000041667D   Englisl

Described is a method for enhancing the operation of a spelling correction function by searching the dictionary based on grouping root words having the same set of leading records. At dictionary build time the second and third letter content of ...

Result # 2   Relevance: ⊙⊙⊙⊙⊙

Filter for Spelling Correction Function

1984-03-01   IPCOM000042095D   Englisl

This article describes a method for increasing throughput in a spelling correction functi a cross-match filter between a limited number of characters of the input word and dict The filter examines the second, third, and fourth characters of both ...

Result # 3   Relevance: ⊙⊙⊙⊙⊙

Unfold Skipping for Spelling Correction Function

1984-03-01   IPCOM000042097D   Englisl

This article describes a method for increasing the efficiency of a spelling correction fun filter to eliminate the need to "unfold" sections of logical records. The variable field dic structure requires unfolding of each nibble (byte) of a ...

Result # 4   Relevance: ⊙⊙⊙⊙

Flexible Supplemental Dictionary for a Spelling Correction Function

1983-01-01   IPCOM000044980D   Englisl

This publication describes a technique for providing a flexible supplemental dictionary f correction system by implementing the supplemental dictionary as a user created docu can be viewed and edited as required. "CREATE DOCUMENT OF SUPPLEMENTAL ...

Result # 5   Relevance: ⊙⊙⊙

Spelling Correction with Keyboard, User, and Language Models

1993-04-01   IPCOM000104425D   Englisl

Disclosed is a system for the automatic correction of spelling errors in typed text. This following desirable characteristics: It does not assume that words in its input text whic in its language's lexicon are correctly spelled. For ...

Result # 6   Relevance: ⊙⊙⊙

Interlisp Reference Manual

1983-10-01   IPCOM000128894D   Englisl

Interlisp is a programming system. A programming system consists of a programming large number of predefinedprograms (or functions, to use the Lisp terminology) that c either as direct user commands or as subroutines in user programs, and an environme

Result # 7   Relevance: ⊙⊙

Processing Text Files Using a Dictionary

1981-01-01   IPCOM000051472D   Englisl

This article describes a spelling correction technique which can be use to check the cor
limited number of terms, which are used in a particular set of documents.

Result # 8   Relevance: ⊙⊙

Fast-Path Spelling Correction Dialog

1993-02-01   IPCOM000104016D   Englisl

A technique is disclosed that would provide users with a fastpath means to quickly cori
errors without having to scroll through the document to locate and correct the errors ii
Users would invoke the spell-check function in the typical manner and the ...

Result # 9   Relevance: ⊙⊙

Interactive Spelling Correction Aid for a Text Processing System

1983-01-01   IPCOM000044981D   Englisl

The Spelling Aid is a feature which allows the operator to request a list of potential spε
selected word. Spelling Aid is invoked by pressing the AID key while in the Prompted S
The system will use the found misspelled word to locate and sequence ...

Result # 10   Relevance: ⊙⊙

MTS The Michigan Terminal System Volume 3: System Subroutine De:
April 1981

1983-02-01   IPCOM000128750D   Englisl

co the Computing Center. The MTS volumes now in print are listed below. The date inc
recent edition of each volume; however, since volumes are updated by means of CCMε
should check the Memo list, copy the files - CCMEMOS or *CCPUBLICATIONS, or ...

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Search query: spelling correction

Published Before: 6-1-2000 (Original publication date)

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Result # 1   Relevance: ⬡

Multiple Memory Error Correction

1981-11-01   IPCOM000053728D   Englisl

This scheme will correct multi-bit errors so that retry will produce usable data.

Result # 2   Relevance: ⬡

Error Detection of BCH Codes

1976-08-01   IPCOM000086324D   Englisl

Efficient decoding schemes for 3-error correcting hexadecimal (BCH) errors in a receiv
For example, 4 errors in a code word sometimes are recognized by the decoder as 2 e

Result # 3   Relevance: ⬡

**Variable Correction Span Error Correction Guide for Improved Throug
Data Integrity**

1990-04-01   IPCOM000102975D   Englisl

Described is a process for simultaneously improving data integrity and throughput of a
storage device (DASD) by incorporating into the data recovery procedure (DRP) an err
code (ECC) that utilizes a variable correction span.

Result # 4   Relevance: ⬡

Error Correction Using Multiple Retrys

1986-08-01   IPCOM000061951D   Englisl

This procedure will reduce the time it takes to correct errors when multiple words are i
mass transfer of data.

Result # 5   Relevance: ⬡

An Enhanced Retry for Multi-Level Error Correcting Codes in DASD

1988-05-01   IPCOM000059134D   Englisl

A method is described for performing error retries in a DASD using multi-level error co

Result # 6   Relevance: ⬡

Paired Error Correcting Scheme

1970-12-01   IPCOM000073445D   Englisl

Single errors or a class of paired errors can be corrected using a class of specially cons
error correcting majority decodable codes. This class of codes has (m-1) m informatior
checkbits where m is an integer. For a word of n information bits, ...

Result # 7   Relevance: ⬡

Method for Improving the Effectiveness of Error Recovery

1992-03-01   IPCOM000107639D   Englisl

A method is proposed which improves the complement/recomplement procedure's cov
intermittent or soft errors.

Result # 8   Relevance: ⦿

Correcting Detected Triple Bit Errors

1986-05-01   IPCOM000061135D   Englisl

A machine employing an invert retry scheme to bypass double bit errors by correct eitl
the bit, may also use this mechanism to increase system integrity and prevent machin·
caused by detectable triple bit errors.

Result # 9   Relevance: ⦿

Error Correcting Code for Hybrid Errors

1971-09-01   IPCOM000075484D   Englisl

The double-error correcting, triple-error detecting (DEC-TED) code can be adapted for
hybrid-error environment. The code is capable of correcting random errors and solid-b
mixed environment. The correction is obtained using the same decoder in one ...

Result # 10   Relevance: ⦿

**Technique for Improved Recovery From Double Hard Errors Plus a Sil
Error**

1985-09-01   IPCOM000064840D   Englisl

All double errors due to two stuck faults or one stuck fault and one soft fault are recov·
means of complement/recomplement (C/RC). C/RC fails against two stuck faults plus ¿
when one of the stuck faults is hidden (stuck in the same sense as correct ...

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Result # 1   Relevance: ⊙

Scope Sensitive Programming Language Variable Spell Checker

1992-02-01   IPCOM000107477D   Englisl

Programmers are constantly creating new variables within their code. Often variables a
by programmers. Prior art provides spell checkers that can compare a set of words to a
dictionary. Unfortunately, a programmer's choice of variables can occur ...

Result # 2   Relevance: ⊙

Addword Through Correction of Recognition Errors

1992-06-01   IPCOM000108537D   Englisl

Disclosed is a method for adding new words to a speech recognition system in a way tl
and efficient for the user - through the correction of recognition errors during dictation

Result # 3   Relevance: ⊙

Treating Low Frequency Dictionary Words As Misspellings to Increas
Accuracy

1989-04-01   IPCOM000034832D   Englisl

Disclosed is an improvement to spelling error detection and correction programs which
rare words occurring in the spelling dictionary in a manner similar to misspelled words.
the use of very large dictionaries without losing the ability to detect ...

Result # 4   Relevance: ⊙

Learning Method for Correction of Affix-Related Errors

1989-09-01   IPCOM000036066D   Englisl

This article describes a new learning method applied to a process for correcting affix-re
Kana-to-Kanji Conversion (KKC). With the new method, the KKC system learns both ar
a compound word consisting of a content word and an affix.

Result # 5   Relevance: ⊙

Error Correction Using Multiple Retrys

1986-08-01   IPCOM000061951D   Englisl

This procedure will reduce the time it takes to correct errors when multiple words are i
mass transfer of data.

Result # 6   Relevance: ⊙

Writable Prefix Addenda Memory For Enhanced Spelling Verification

1979-10-01   IPCOM000067792D   Englisl

A Writeable Prefix Addenda memory (WPA) enhances vocabulary coverage characterist
verification of agglutinating languages, such as German and Dutch. The WPA is used ir
with a Stem Processing function wherein a word is searched for a verifiable ...

Result # 7   Relevance: ⊙

Method for Associating Differing Rules with Blocks of Differing Langu

2005-08-22   IPCOM000127313D   Englisl

It is common to find documents with different blocks of text that use different languag
example, one may have a user manual that is aimed to cater to an English, Spanish, F
German audience. In the current art, word processing programs typically do not have .

Result # 8   Relevance: ⬦⬦⬦⬦⬦

Paraphraser

1990-02-01   IPCOM000099816D   Englisl

Disclosed is a scheme to generate paraphrases for a given sentence, that is, alternativ
which are grammatical and which preserve the general meaning of the original senten(

Result # 9   Relevance: ⬦⬦⬦⬦⬦

Method for Improving Spelling-To-Sound Rules for Speech Synthesis Algorithmically Deduced Etymologies

1984-12-01   IPCOM000044297D   Englisl

In many languages there are words -- particularly proper names -- which, because the
completely naturalized, disobey normal spelling-to-sound rules, thereby causing errors
synthesis. This is especially so for English because of the history of the language, ...

Result # 10   Relevance: ⬦⬦⬦⬦⬦

Sense Checker

2001-04-13   IPCOM000013368D   Englisl

This proposal concerns systems which process text in spoken or written form, such as
processors or voice recognition software. Typically, the text typed into word processor:
voice recognition software is checked for correctness with a spell checker. In ...

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